

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|--|------------------|---------|------------------|
| L1 | 235 | 345/209.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/07/21 12:07 |
| L2 | 14400 | level near3 shifter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:08 |
| L3 | 33629 | (positive negative) near3 polarity | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:07 |
| L4 | 509 | L2 L3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/07/21 12:07 |
| L5 | 34 | 1 2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:08 |
| L6 | 47184 | (medium or intermediate or middle) near3 voltage | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:08 |
| L7 | 6 | 5 6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:09 |

EAST Search History

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|-----|------|------------------|--|-----|----|------------------|
| L8 | 199 | 2 same 6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:09 |
| L9 | 0 | 1 8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:09 |
| L10 | 1995 | 327/333 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:09 |
| L11 | 1203 | 327/333.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:10 |
| L12 | 29 | 8 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:10 |
| L13 | 4 | 8 11 display | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:12 |
| L14 | 3748 | 345/98-100.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:12 |

EAST Search History

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|-----|------|--|--|-----|----|------------------|
| L15 | 3144 | 345/204.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:12 |
| L16 | 48 | 4 15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:13 |
| L17 | 87 | 4 6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:13 |
| L18 | 15 | 15 17 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:17 |
| L19 | 7866 | 1 or 11 or 14 or 15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:19 |
| L20 | 1 | (shift register level shifter analog circuit positive negative (middle or mid or medium or intermediate) voltage).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:20 |
| L21 | 93 | (level shifter (middle or mid or medium or intermediate) voltage). clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:20 |

EAST Search History

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|-----|------|---|--|-----|-----|------------------|
| L22 | 9 | 19 21 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:21 |
| S1 | 1519 | (345/100).CCLS. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2007/01/26 10:44 |
| S2 | 23 | source driver (middle with voltage) power supply S1 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 10:46 |
| S3 | 20 | source driver (middle with voltage) power supply S1 polarity | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 10:46 |
| S4 | 21 | (source or signal) driver (middle with voltage) power supply S1 polarity | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 10:47 |
| S5 | 13 | (source or signal) driver (middle with voltage) power supply S1 polarity buffer | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:25 |
| S6 | 1477 | level shifter analog circuit supply voltage middle | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:25 |
| S7 | 11 | S1 S6 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:28 |
| S8 | 7 | S1 (source with driv\$3) power consum\$4 voltage level middle ground | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:31 |

EAST Search History

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| S9 | 467 | (source with driv\$3) power consum\$4 voltage level middle ground LCD | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:31 |
| S10 | 162 | ((source or data) with driv\$3) power consum\$4 (mid\$3 near voltage) level middle ground LCD | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:32 |
| S11 | 174 | ((source or data) with driv\$3) power consum\$5 (mid\$3 near voltage) level middle ground LCD | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:33 |
| S12 | 7 | ((source or data) with driv\$3) power consum\$5 (mid\$3 near voltage) level middle ground LCD polarity inversion | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 11:50 |
| S13 | 12 | ((source or data) with driv\$3) power consum\$5 (mid\$3 near voltage) level middle ground LCD polarity d\$1a | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/26 15:20 |
| S14 | 3050 | (345/98-100).CCLS. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2007/01/29 11:24 |
| S15 | 3237 | level shifter voltage middle | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:17 |
| S16 | 51 | S14 S15 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:17 |
| S17 | 25973 | invers\$4 consum\$4 power voltage | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:26 |
| S18 | 270 | S14 S17 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:28 |

EAST Search History

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|-----|--------|--|--|-----|----|------------------|
| S19 | 268 | S14 S17 (source or data) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:29 |
| S20 | 11 | S14 S17 (source or data) S15 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:32 |
| S21 | 140922 | (LCD or (liquid near crystal near display)) (source or data) driv\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:35 |
| S22 | 24329 | level shifter (A\$1D or analog) circuit | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:37 |
| S23 | 16612 | level shifter (D\$1A or analog) circuit | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:38 |
| S24 | 3084 | S21 S23 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:38 |
| S25 | 2424 | supply voltage S24 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:41 |
| S26 | 690 | middle S24 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:41 |
| S27 | 12302 | ((source or data) near driv\$3) LCD | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 10:40 |
| S28 | 104 | (level near shift\$3) ((D\$1A or analog) near circuit) (supply near voltage) S27 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 11:01 |

EAST Search History

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|-----|------|---|--|-----|----|------------------|
| S29 | 37 | reduce power consumption LCD VDD GND level shifter | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 11:17 |
| S30 | 12 | reduce power consumption LCD VDD GND level shifter invers\$4 polarity | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 11:02 |
| S31 | 1265 | lcd polarity inversion reduce power | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 11:18 |
| S32 | 18 | lcd same polarity same inversion same reduce same power | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 11:18 |
| S33 | 122 | S14 polarity inversion reduce power voltage level shifter | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:22 |
| S34 | 3 | S14 ((reduce or conserve) same power same analog same circuit same level same shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:23 |
| S35 | 772 | S14 ((reduce or conserve) same power) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:23 |
| S36 | 7 | S14 ((reduce or conserve) same power same polarity same amplitude) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:28 |
| S37 | 581 | lcd reduce power source driver variable polarity voltage amplitude | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:29 |
| S38 | 306 | lcd reduce power source driver variable polarity voltage amplitude (liquid near crystal near display) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:29 |

EAST Search History

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|-----|------|---|--|-----|----|------------------|
| S39 | 28 | S38 S14 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:48 |
| S40 | 2 | LCD DAC reference voltage genrat\$4 reduce power | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:49 |
| S41 | 2 | (liquid near crystal near display) DAC reference voltage genrat\$4 reduce power | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:49 |
| S42 | 2013 | source drive\$3 reference voltage DAC LCD | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:49 |
| S43 | 1406 | source drive\$3 reference voltage DAC LCD reduce power | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:50 |
| S44 | 484 | source drive\$3 reference voltage DAC LCD reduce power polarity | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:52 |
| S45 | 668 | (driv\$3 near voltage) DAC LCD source driv\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:52 |
| S46 | 262 | (driv\$3 near voltage) DAC LCD source driv\$3 level shifter | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 13:53 |
| S47 | 46 | (driv\$3 near voltage) same DAC LCD source driv\$3 level shifter | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:01 |
| S48 | 10 | (driv\$3 near voltage) same DAC same (level near shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:05 |

EAST Search History

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|-----|--------|---|--|-----|----|------------------|
| S49 | 1 | (middle near voltage) same DAC same (level near shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:05 |
| S50 | 8 | (vdd) same DAC same (level near shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:10 |
| S51 | 4 | (operat\$3 near voltage) same DAC same (level near shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:13 |
| S52 | 0 | (variable same vdd) same DAC same (level near shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:13 |
| S53 | 0 | (variable and vdd) same DAC same (level near shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:13 |
| S54 | 4 | (variable and vdd) same DAC (level near shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/29 14:14 |
| S56 | 3054 | 345/98-100.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 11:15 |
| S57 | 227345 | source near5 driv\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:01 |
| S58 | 93442 | level with shift\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 11:54 |
| S59 | 412852 | supply near5 volt\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 11:55 |

EAST Search History

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|-----|--------|---|--|-----|----|------------------|
| S60 | 0 | S56 same S57 same S58 same S59 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 11:55 |
| S61 | 0 | S56 same S57 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 11:55 |
| S62 | 227 | S57 same S58 same S59 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:02 |
| S63 | 11 | S62 S56 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 11:56 |
| S64 | 99 | S57 same S58 same polarity | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:02 |
| S65 | 19 | S56 S64 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:00 |
| S66 | 402795 | (source or signla or data) near5 driv\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:02 |
| S67 | 170 | S66 same S58 same polarity | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:02 |
| S68 | 40 | S56 S67 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:10 |
| S69 | 399 | S66 same S58 same S59 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:02 |

EAST Search History

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|-----|--------|--|--|-----|----|------------------|
| S70 | 55 | S56 S69 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:02 |
| S71 | 2 | "20030155958" | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:55 |
| S72 | 25 | finger same aperture same mouse same button | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 12:55 |
| S73 | 14 | (US-20040032386-\$ or US-20020063666-\$ or US-20030155958-\$).did. or (US-6549184-\$ or US-5859632-\$ or US-5010326-\$ or US-6262704-\$ or US-6496174-\$ or US-6256015-\$ or US-5453757-\$ or US-6486864-\$ or US-6462723-\$ or US-5731796-\$). did. or (GB-2247938-\$).did. | US-PGPUB; USPAT; EPO | AND | ON | 2007/01/31 10:51 |
| S74 | 3 | S73 gamma | US-PGPUB; USPAT; EPO | AND | ON | 2007/01/30 13:07 |
| S75 | 59993 | level near5 shift\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 16:50 |
| S76 | 300624 | (intermediate or middle or medium) near7 (volt\$3 or pulse or signal) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 10:05 |
| S77 | 89471 | ground same (supply near5 volt\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 16:51 |
| S78 | 88 | S75 same S76 same S77 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 13:51 |

EAST Search History

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| S79 | 60072 | (level near5 shift\$3) or (level near5 shift\$5 circuit) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 16:51 |
| S80 | 59996 | (level near5 shift\$3) or (level near5 shift\$5 near5 circuit) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 16:51 |
| S81 | 120488 | ground same ((drive or supply or operat\$3) near5 volt\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 16:54 |
| S82 | 107 | S80 same S81 same S76 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 17:08 |
| S83 | 338747 | low near5 volt\$4 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 17:11 |
| S84 | 4894 | S83 same S80 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 17:11 |
| S85 | 560673 | (reduc\$3 or sav\$3 or consum\$5) near5 power | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 16:54 |
| S86 | 2348 | S84 S85 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 17:13 |
| S87 | 408 | S84 same S85 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 17:13 |
| S88 | 10 | S84 same S85 same S76 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 10:04 |

EAST Search History

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|-----|--------|--|--|-----|----|------------------|
| S89 | 19 | S84 same S85 same S77 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/30 17:22 |
| S90 | 2689 | 345/204.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 10:05 |
| S91 | 59993 | level near5 shift\$3 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 10:05 |
| S92 | 300624 | (intermediate or middle or medium) near7 (volt\$3 or pulse or signal) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 14:16 |
| S93 | 1242 | S91 same S92 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 10:06 |
| S94 | 16 | S90 S93 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 10:06 |
| S95 | 14 | (US-20040032386-\$ or US-20020063666-\$ or US-20030155958-\$).did. or (US-6549184-\$ or US-5859632-\$ or US-5010326-\$ or US-6262704-\$ or US-6496174-\$ or US-6256015-\$ or US-5453757-\$ or US-6486864-\$ or US-6462723-\$ or US-5731796-\$). did. or (GB-2247938-\$).did. | US-PGPUB; USPAT; EPO | AND | ON | 2007/01/31 10:51 |
| S96 | 4 | buffer S95 | US-PGPUB; USPAT; EPO | AND | ON | 2007/01/31 11:15 |
| S97 | 3054 | 345/98-100.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 11:15 |

EAST Search History

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|----------|---------|--|--|-----|----|------------------|
| S98 | 5398 | S90 or S97 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 11:16 |
| S99 | 11 | buffer same (unit near5 gain) same (negative near5 (op or operati\$4) near5 (amp or amplifier)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 11:19 |
| S10 0 | 1310185 | (intermediate or middle or medium or second or plural\$4 or multiple) near7 (volt\$3 or pulse or signal) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 14:17 |
| S10 1 | 10446 | S100 same S91 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 14:18 |
| S10 2 | 442 | S98 S101 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 14:18 |
| S10 3 | 5861 | ((mutiple or second) near3 voltage) same ((level or voltage) near3 shift\$3) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 16:52 |
| S10 4 | 560673 | (reduc\$3 or sav\$3 or consum\$5) near5 power | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 16:54 |
| S10 5 | 1942 | S103 S104 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 16:55 |
| S10 6 | 182 | S103 same S104 | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 17:26 |
| S10 7 | 595 | low with power with level with shifter | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 17:27 |

EAST Search History

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|----------|-------|---|--|-----|----|------------------|
| S10 8 | 341 | (low near3 power) with (level near3 shifter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/01/31 17:27 |
| S10 9 | 1663 | 345/100.ccls. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | AND | ON | 2007/07/13 14:24 |
| S11 0 | 14362 | level near3 shifter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:28 |
| S11 1 | 346 | S109 S110 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:27 |
| S11 2 | 33564 | (positive negative) near3 polarity | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:27 |
| S11 3 | 75 | S111 S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:28 |
| S11 4 | 54 | (level near3 shifter) same ((positive negative) near3 polarity) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:29 |
| S11 5 | 0 | ("2005/0206629").URPN. | USPAT | AND | ON | 2007/07/13 14:52 |

EAST Search History

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|----------|-------|---|--|-----|----|------------------|
| S11 6 | 41873 | (medium or intermediate) near3 voltage | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/21 12:08 |
| S11 7 | 970 | S110 S116 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:53 |
| S11 8 | 179 | S110 same S116 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:54 |
| S11 9 | 5 | S112 S118 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/07/13 14:54 |